

Position

Symbol - x, y, z

Displacement

$$\Delta x = x_f - x_i = s$$

Velocity

$$\Delta S = \frac{S_f - S_i}{t_f - t_i} = v$$

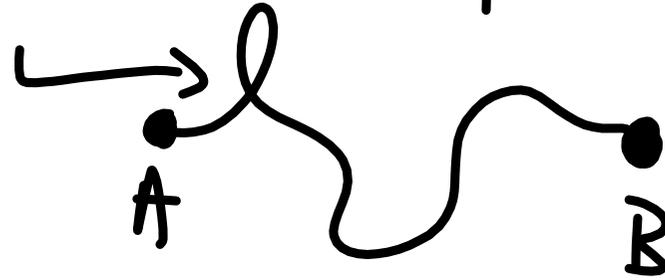
Acceleration

$$\Delta \vec{V} = \vec{V}_f - \vec{V}_i$$
$$\frac{\Delta \vec{V}}{t_f - t_i} = \vec{a}$$

→

Location - where you are

Distance - total path length.



Speed - How fast you are
going *NO
Direction

time - the forward
Motion of Natural Events

